PROJECT: WFAC2X2

FIRMWARE RELEASE NOTE

Document Information	
Project Number/Name:	WFAC2x2
Customer:	SiFlower
Customer Representative:	Franklin Wang
Catena Representative:	Kave Kianush
Project Leader:	Jingbin Wang
Author:	Ajay Peter
Document Number:	
Revision Number:	0.1
Status:	Accepted

Revision Control

Revision	Author	Purpose and Brief Summary of Changes	Date
0.1	Erik de Kievit	Describe firmware release R1.0.004	Nov 13, 2020

Disclaimers

The information contained in this document must be treated according the classification as indicated in the document footer. See for explanation of the possible classifications the list below.

Document Classification

Confidential: Documents that may only be shared only to those persons authorized; MT, project team and/or with the customer under NDA. Do not leave these documents lying about open and unattended on tables, etc.

Company Restricted: For internal use only – can only be distributed and shared within Catena.

Catena Proprietary: Protected by trademark or patent or copyright; These documents can be shared but nobody is allowed to copy or use any information out of it without having the permission of the MT of Catena.

In case a document has no specified classification the information contained is at least Catena Proprietary.

Trademarks

Catena recognizes all brand and product names as trademarks or registered trademarks of their respective holders.

confidential

Template used: CATQMS_130
Template date: 22-Jun-2009

Revision: 0.1
Nov-10-2020
Page 2 of 6

Table of Contents

1 INTRODUCTION

1.1 Document Purpose and Scope

This document describes the content of the firmware releases for the WFAC2x2 project, variant Begonia.

1.2 References

Table 1-1 References

Doc #	Reference	Name	Date
19CAIN01_C06S017	[UM]	User Manual v1.1	Dec 10, 2019
17CAIN09_C06S009	[AMG]	API Migration Guide v1.0	Sept 25, 2019

1.3 Abbreviations and Definitions

Table 1-2 Abbreviations

Abbreviation	Meaning

Table 1-3 Definitions

Definitions	Meaning

confidential
Template used: CATQMS_130
Template date: 22-Jun-2009

CATENA

Revision: 0.1
Nov-10-2020
Page 4 of 6

2 RELEASE PACKAGE

2.1 Version Identification

Identifier	Value
target	BE
firmware version	R1.0.004

For this release, the GetVersion command will reply with the following information:

Identifier	Value
hw_major	50
hw_minor	C0
target_ver	2
fw_major	1
fw_minor	0
Build_nr	4
Test_nr	0

2.2 Package Content

The release package contains the following files:

File	Description
WFAC22_50C0_prog.mem	Program memory file, to be loaded by the host
WFAC22_50C0_init.mem	Initialization file, to be loaded by the host

Please follow the load and boot instructions as explained in the [UM].

confidential
Template used: CATQMS_130
Template date: 22-Jun-2009

CATENA

Revision: 0.1
Nov-10-2020
Page 5 of 6

3 RELEASE CONTENT

3.1 Goal

This firmware may be used to bring up the Begonia target.

In this version, the timeout time used during APP_Activate() is increased to support a boot clock of 12MHz, but in a different way than in R1.0.003.

3.2 Supported Functionality

The table below shows which commands are part of this release, and if there are limitations for the command in this release.

Table 3-1 command overview

Command	Status
GEN_GetVersion	Functional
GEN_SetProperty	Functional
GEN_GetProperty	Functional
APP_GetStatus	Functional
APP_Activate	Functional
APP_Deactivate	Functional
APP_GetTemperature	Functional
APP_Calibrate	Functional
APP_CalResistor	Functional
APP_SetResistor	Functional
APP_ConfigTrx	Functional
APP_ConfigFemCtrl	Functional
CLK_SetXo	Functional
TRX_Receive	Functional
TRX_Transmit	Functional
TRX_Stop	Functional
TRX_Park	Functional
TRX_Prepare	Functional
TRX_GetStatus	Functional
TRX_SetDsmLoopDeltaLo	Functional
TRX_SetTestDc	Functional

4 KNOWN PROBLEMS & LIMITATIONS

None.

confidential
Template used: CATQMS_130
Template date: 22-Jun-2009

Revision: 0.1
Nov-10-2020
Page 6 of 6